

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	486	(548/194).CCLS.	USPAT; DERWENT	OR	OFF	2007/08/08 11:53
L2	6	((("6919361") or ("6300337") or ("6867214")).PN.	USPAT; DERWENT	OR	OFF	2007/08/08 11:55
L3	3	("20050267148").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/08/08 11:56

08/08/2007,10561970c.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

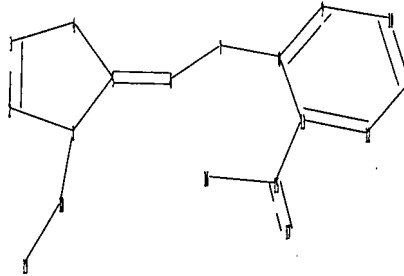
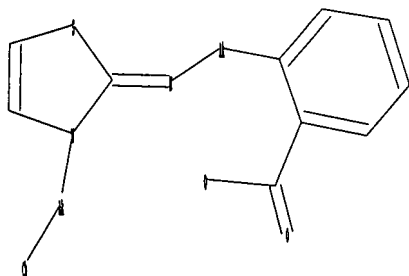
LOGINID:SSPTASXY1626

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'REGISTRY' AT 10:40:05 ON 08 AUG 2007  
FILE 'REGISTRY' ENTERED AT 10:40:05 ON 08 AUG 2007  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	172.10	172.31

=>  
Uploading C:\Program Files\Stnexp\Queries\10561970c.str



chain nodes :  
6 7 15 16 17 18 19  
ring nodes :  
1 2 3 4 5 8 9 10 11 12 13  
chain bonds :  
1-18 5-6 6-7 7-8 13-15 15-16 15-17 18-19  
ring bonds :  
1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13  
exact/norm bonds :  
1-2 1-5 1-18 5-6 6-7 7-8 15-16 15-17 18-19  
exact bonds :  
2-3 3-4 4-5 13-15  
normalized bonds :  
8-9 8-13 9-10 10-11 11-12 12-13  
isolated ring systems :  
containing 1 : 8 :

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom

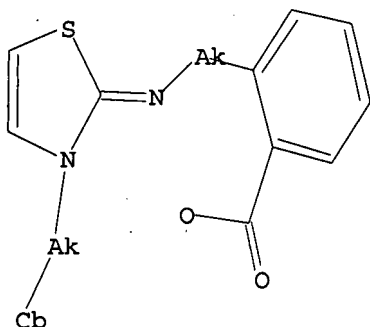
L4 STRUCTURE UPLOADED

08/08/2007,10561970c.trn

=> d 14

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 14

SAMPLE SEARCH INITIATED 10:40:30 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 22620 TO ITERATE

8.8% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 443399 TO 461401  
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 full

FULL SEARCH INITIATED 10:40:34 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 451963 TO ITERATE

100.0% PROCESSED 451963 ITERATIONS  
SEARCH TIME: 00.00.13

8 ANSWERS

L6 8 SEA SSS FUL L4

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
344.20	344.41

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 10:40:52 ON 08 AUG 2007

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FILE COVERS 1907 - 8 Aug 2007 VOL 147 ISS 7  
FILE LAST UPDATED: 7 Aug 2007 (20070807/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> s ;6  
ENTER LOGIC EXPRESSION, QUERY NAME, OR (END):end  
SEARCH ENDED BY USER

6 IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> s l6  
L7 1 L6  
  
=> d ed abs ibib hitstr tot

08/08/2007,10561970c.trn

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
RD Entered STN: 07 Jan 2005  
Q1

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB Title compds. I [X = O, S, R1, R2 = -Y3-Z, etc., Y3 = single bond, (un)substituted alkylene, etc., Y1, Y2 = (un)substituted alkylene, etc., Z = (un)saturated monocyclic group, etc., M = CO2R31, etc., R31 = H, (un)substituted alkyl, etc., Q completes an (hetero)aromatic ring together with C: C described in I; A = (un)saturated monocyclic group, etc.] were prepared

For example, 2-(methoxycarbonylbenzene)sulfonylation of 5-methyl-3-(1-naphthalenylmethyl)-1,3-thiazol-2(3H)-imine followed by hydrolysis afforded compound (Z)-II in 49.5% overall yield. In chymase inhibition assays (in vitro), the IC50 value of compound (Z)-II was 2.1 nM.

Comps. I are claimed useful for the treatment of hypertension, arteriosclerosis, etc.

ACCESSION NUMBER: 2005:14382 HCAPLUS  
DOCUMENT NUMBER: 142:114049  
TITLE: Preparation of thiazolines and related compounds as chymase inhibitors

INVENTOR(S): Yamauchi, Hiroki  
PATENT ASSIGNER(S): Sumitomo Pharmaceuticals Co., Ltd., Japan,  
SOURCE: PCT Int. Appl., 74 pp.  
CODEN: PXXXX2

DOCUMENT TYPE: Patent  
LANGUAGE: Japanese

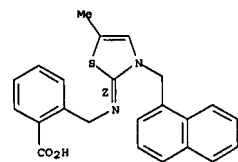
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 200500825	A1	20050106	WO 2004-JP9249	20040623
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RM: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, BJ, CG, CI, CM, CA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1640369	A1	20060329	EP 2004-746718	20040623
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, SE, HU, PL, SK				
US 2007105908	A1	20070510	US 2005-561970	20051222
PRIORITY APPLN. INFO.:			JP 2003-184321	A 20030627

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)

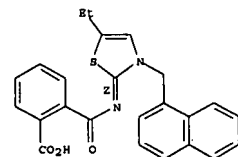
RN 820230-73-7 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-methyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



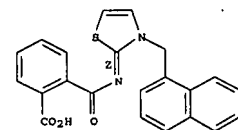
RN 820230-76-0 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-ethyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]methyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 820230-83-9 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]carbonyl]- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



IT 820230-88-4P 820230-89-5P 820230-96-4P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

Young, Shawquia, Page 4

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
WO 2004-JP9249 W 20040623

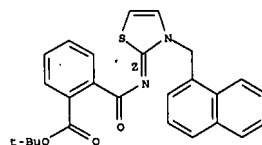
OTHER SOURCE(S): MARPAT 142:114049  
IT 820230-82-8P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of thiazolines and related compds. as chymase inhibitors for

treatment of hypertension, arteriosclerosis, etc.)

RN 820230-82-8 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



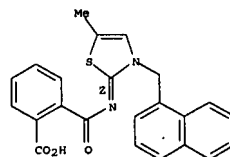
IT 820230-72-6P 820230-73-7P 820230-76-0P

820230-83-9P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of thiazolines and related compds. as chymase inhibitors for

treatment of hypertension, arteriosclerosis, etc.)

RN 820230-72-6 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-methyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]carbonyl]- (9CI) (CA INDEX NAME)

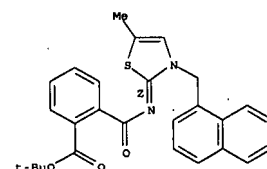
Double bond geometry as shown.



L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
(prepn. of thiazolines and related compds. as chymase inhibitors for treatment of hypertension, arteriosclerosis, etc.)

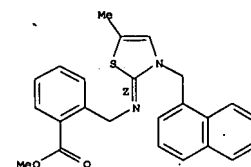
RN 820230-88-4 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-methyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.



RN 820230-89-5 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-methyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]methyl]-, methyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

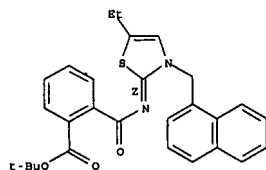


RN 820230-96-4 HCAPLUS  
CN Benzoic acid, 2-[[[(Z)-[5-ethyl-3-(1-naphthalenylmethyl)-2(3H)-thiazolylidene]amino]carbonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Double bond geometry as shown.

08/08/2007,10561970c.trn

L7 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2007 ACS on STN (Continued)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE  
FORMAT

08/08/2007,10561970c.trn

=> log h

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

7.87

352.28

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE  
ENTRY

TOTAL  
SESSION

CA SUBSCRIBER PRICE

-0.78

-0.78

SESSION WILL BE HELD FOR 120 MINUTES

STN INTERNATIONAL SESSION SUSPENDED AT 10:41:24 ON 08 AUG 2007

08/08/2007,10561970d.trn

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTASXY1626

PASSWORD:

\* \* \* \* \* RECONNECTED TO STN INTERNATIONAL \* \* \* \* \*  
SESSION RESUMED IN FILE 'HCAPLUS' AT 10:42:53 ON 08 AUG 2007  
FILE 'HCAPLUS' ENTERED AT 10:42:53 ON 08 AUG 2007  
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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.87	352.28
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

=> file reg

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	7.87	352.28
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.78	-0.78

FILE 'REGISTRY' ENTERED AT 10:43:01 ON 08 AUG 2007  
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Property values tagged with IC are from the ZIC/VINITI data file  
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STRUCTURE FILE UPDATES: 7 AUG 2007 HIGHEST RN 944239-85-4  
DICTIONARY FILE UPDATES: 7 AUG 2007 HIGHEST RN 944239-85-4

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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experimental property data in the original document. For information  
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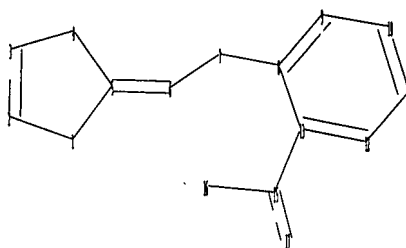
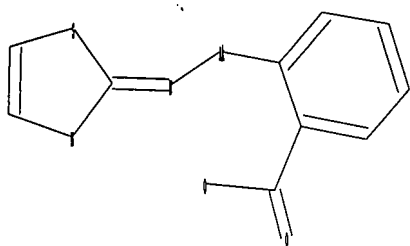
<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10561970d.str

Young, Shawquia, Page 1

08/08/2007,10561970d.trn

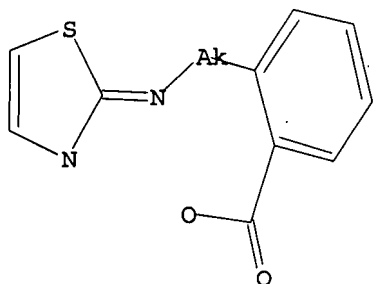


chain nodes :  
6 7 15 16 17  
ring nodes :  
1 2 3 4 5 8 9 10 11 12 13  
chain bonds :  
5-6 6-7 7-8 13-15 15-16 15-17  
ring bonds :  
1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13  
exact/norm bonds :  
1-2 1-5 5-6 6-7 7-8 15-16 15-17  
exact bonds :  
2-3 3-4 4-5 13-15  
normalized bonds :  
8-9 8-13 9-10 10-11 11-12 12-13  
isolated ring systems :  
containing 1 : 8 :

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 15:CLASS 16:CLASS 17:CLASS

L8 STRUCTURE UPLOADED

=> d 18  
L8 HAS NO ANSWERS  
L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 18  
SAMPLE SEARCH INITIATED 10:43:18 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 22620 TO ITERATE

08/08/2007,10561970d.trn

8.8% PROCESSED 2000 ITERATIONS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 443399 TO 461401  
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 full  
FULL SEARCH INITIATED 10:43:22 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 451963 TO ITERATE

100.0% PROCESSED 451963 ITERATIONS  
SEARCH TIME: 00.00.13

230 ANSWERS

L10 230 SEA SSS FUL L8

=> file hcaplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
172.10	524.38

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
0.00	-0.78

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FILE COVERS 1907 - 8 Aug 2007 VOL 147 ISS 7  
FILE LAST UPDATED: 7 Aug 2007 (20070807/ED)

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=> s l10  
L11 34 L10

=> d ed abs ibib hitstr tot